Section 1. Registration Information

Source Identification

Facility Name:	DBA-Tolleson Dairy
Parent Company #1 Name:	Kroger Company
Parent Company #2 Name:	

Submission and Acceptance

Submission Type:	Re-submission
Subsequent RMP Submission Reason:	5-year update (40 CFR 68.190(b)(1))
Description:	
Receipt Date:	04-Sep-2013
Postmark Date:	04-Sep-2013
Next Due Date:	04-Sep-2018
Completeness Check Date:	04-Sep-2013
Complete RMP:	Yes
De-Registration / Closed Reason:	
De-Registration / Closed Reason Other Text:	
De-Registered / Closed Date:	
De-Registered / Closed Effective Date:	
Certification Received:	Yes

Facility Identification

EPA Facility Identifier:	1000 0017 7033
Other EPA Systems Facility ID:	

Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	6999528
Parent Company #1 DUNS:	
Parent Company #2 DUNS:	

Facility Location Address

Street 1:	500 South 99th Avenue
Street 2:	
City:	Tolleson
State:	ARIZONA
ZIP:	85353
ZIP4:	
County:	MARICOPA

Facility Latitude and Longitude

Latitude (decimal):	33.441870
Longitude (decimal):	-112.272710
Lat/Long Method:	Interpolation - Satellite
Lat/Long Description:	Plant Entrance (General)
Horizontal Accuracy Measure:	100
Horizontal Reference Datum Name:	World Geodetic System of 1984
Source Map Scale Number:	

Owner or Operator

Operator Name:	DBA-Tolleson Dairy
Operator Phone:	(623) 936-2372

Mailing Address

Operator Street 1:	500 South 99th Avenue
Operator Street 2:	
Operator City:	Tolleson
Operator State:	ARIZONA
Operator ZIP:	85353
Operator ZIP4:	
Operator Foreign State or Province:	
Operator Foreign ZIP:	
Operator Foreign Country:	

Name and title of person or position responsible for Part 68 (RMP) Implementation

RMP Name of Person:	
RMP Title of Person or Position:	Plant Engineer
RMP E-mail Address:	

Emergency Contact

Emergency Contact Name:	Jeffrey Hartig
Emergency Contact Title:	Plant Engineer
Emergency Contact Phone:	(623) 936-2348
Emergency Contact 24-Hour Phone:	(602) 819-1676
Emergency Contact Ext. or PIN:	
Emergency Contact E-mail Address:	jeff.hartig@kroger.com

Other Points of Contact

Facility or Parent Company E-mail Address:	
Facility Public Contact Phone:	
Facility or Parent Company WWW Homepage Address:	

Local Emergency Planning Committee

LEPC:	Maricopa County LEPC

Full Time Equivalent Employees

Number of Full Time Employees (FTE) on Site:	140
FTE Claimed as CBI:	

Covered By

OSHA PSM :	Yes
EPCRA 302 :	Yes
CAA Title V:	
Air Operating Permit ID:	

OSHA Ranking

OSHA Star or Merit Ranking:

Last Safety Inspection

Last Safety Inspection (By an External Agency) Date:	24-Sep-2012
Last Safety Inspection Performed By an External Agency:	Fire Department

Predictive Filing

Did this RMP involve predictive filing?:

Preparer Information

Preparer Name:	Stellar Interactive Solutions
Preparer Phone:	(904) 260-2900
Preparer Street 1:	2900 Hartley Road
Preparer Street 2:	
Preparer City:	Jacksonville
Preparer State:	FLORIDA
Preparer ZIP:	32257
Preparer ZIP4:	
Preparer Foreign State:	
Preparer Foreign Country:	
Preparer Foreign ZIP:	

Confidential Business Information (CBI)

CBI Claimed:
Substantiation Provided:
Unsanitized RMP Provided:

Reportable Accidents

Reportable Accidents: See Section 6. Accident History below to determine if there were any accidents reported for this RMP.

Process Chemicals

Process ID:	1000044264
Description:	Ammonia Refrigeration
Process Chemical ID:	1000053288
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Quantity (lbs):	17500
CBI Claimed:	
Flammable/Toxic:	Toxic

Process NAICS

Process ID:	1000044264
Process NAICS ID:	1000044686
Program Level:	Program Level 3 process
NAICS Code:	311511
NAICS Description:	Fluid Milk Manufacturing

Section 2. Toxics: Worst Case

Toxic Worst ID: 1000036335

Percent Weight:	100.0
Physical State:	Gas liquified by pressure
Model Used:	EPA's RMP*Comp(TM)
Release Duration (mins):	10
Wind Speed (m/sec):	1.5
Atmospheric Stability Class:	F
Topography:	Urban

Passive Mitigation Considered

Dikes:	
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Section 3. Toxics: Alternative Release

Toxic Alter ID: 1000038324

Percent Weight:	100.0
Physical State:	Gas
Model Used:	EPA's RMP*Comp(TM)
Wind Speed (m/sec):	3.0
Atmospheric Stability Class:	D
Topography:	Urban

Passive Mitigation Considered

Dikes:	
Enclosures:	
Berms:	
Drains:	
Sumps:	
Other Type:	

Active Mitigation Considered

Sprinkler System:	
Deluge System:	
Water Curtain:	
Neutralization:	
Excess Flow Valve:	
Flares:	
Scrubbers:	
Emergency Shutdown:	
Other Type:	

Section 4. Flammables: Worst Case

No records found.

Section 5. Flammables: Alternative Release

No records found.

Section 6. Accident History

No records found.

Section 7. Program Level 3

Description

As the key element of the facility¿s Prevention Program, the Tolleson Dairy Facility maintains compliance within OSHA¿s 29 CFR 1910.119, Process Safety Management for Highly Hazardous Chemicals. Through required program compliance audits and Process Hazard Analysis¿ Tolleson Dairy maintains their PSM program within the mandated written guidelines of the PSM Standard.

Program Level 3 Prevention Program Chemicals

Prevention Program Chemical ID:	1000045680
Chemical Name:	Ammonia (anhydrous)
Flammable/Toxic:	Toxic
CAS Number:	7664-41-7
Prevention Program Level 3 ID:	1000038516
NAICS Code:	311511

Safety Information

Safety Review Date (The date on which the safety information was last reviewed or revised):	22-Jun-2013

Process Hazard Analysis (PHA)

PHA Completion Date (Date of last PHA or PHA update):	12-May-2010

The Technique Used

What If:	
Checklist:	
What If/Checklist:	Yes
HAZOP:	
Failure Mode and Effects Analysis:	
Fault Tree Analysis:	
Other Technique Used:	
PHA Change Completion Date (The expected or actual date of completion of all changes resulting from last PHA or PHA update):	01-Dec-2010

Major Hazards Identified

Toxic Release:	Yes
Fire:	Yes
Explosion:	Yes
Runaway Reaction:	
Polymerization:	
Overpressurization:	Yes
Corrosion:	Yes
Overfilling:	Yes
Contamination:	
Equipment Failure:	Yes

Loss of Cooling, Heating, Electricity, Instrument Air:	
Earthquake:	Yes
Floods (Flood Plain):	
Tornado:	
Hurricanes:	
Other Major Hazard Identified:	

Process Controls in Use

Vents:	Yes
Relief Valves:	Yes
Check Valves:	Yes
Scrubbers:	
Flares:	
Manual Shutoffs:	Yes
Automatic Shutoffs:	Yes
Interlocks:	Yes
Alarms and Procedures:	Yes
Keyed Bypass:	
Emergency Air Supply:	
Emergency Power:	
Backup Pump:	
Grounding Equipment:	
Inhibitor Addition:	
Rupture Disks:	
Excess Flow Device:	
Quench System:	
Purge System:	
None:	
Other Process Control in Use:	

Mitigation Systems in Use

Sprinkler System:	
Dikes:	
Fire Walls:	
Blast Walls:	
Deluge System:	
Water Curtain:	
Enclosure:	
Neutralization:	
None:	Yes
Other Mitigation System in Use:	

Monitoring/Detection Systems in Use

Process Area Detectors:	Yes
Perimeter Monitors:	
None:	
Other Monitoring/Detection System in Use:	Alcove Cooler

Changes Since Last PHA Update

Reduction in Chemical Inventory:	
Increase in Chemical Inventory:	

Change Process Parameters:	
Installation of Process Controls:	Yes
Installation of Process Detection Systems:	Yes
Installation of Perimeter Monitoring Systems:	Yes
Installation of Mitigation Systems:	
None Recommended:	
None:	
Other Changes Since Last PHA or PHA Update:	

Review of Operating Procedures

Operating Procedures Revision Date (The date of the most recent review or revision of operating procedures):	29-Mar-2013

Training

Training Revision Date (The date of the most recent review or revision of training programs):	22-Jun-2013

The Type of Training Provided

Classroom:	Yes
On the Job:	Yes
Other Training:	

The Type of Competency Testing Used

Written Tests:	Yes
Oral Tests:	
Demonstration:	Yes
Observation:	Yes
Other Type of Competency Testing Used:	

Maintenance

Maintenance Procedures Revision Date (The date of the most recent review or revision of maintenance procedures):	25-Mar-2013
Equipment Inspection Date (The date of the most recent equipment inspection or test):	29-Mar-2013
Equipment Tested (Equipment most recently inspected or tested):	Overall Refrigeration System

Management of Change

Change Management Date (The date of the most recent change that triggered management of change procedures):	15-Aug-2013
Change Management Revision Date (The date of the most recent review or revision of management of change procedures):	22-Jun-2013

Pre-Startup Review

Pre-Startup Review Date (The date of the most recent pre-startup review):	15-Aug-2013

Compliance Audits

Compliance Audit Date (The date of the most recent compliance audit):	22-Jun-2013
Compliance Audit Change Completion Date (Expected or actual date of completion of all changes resulting from the compliance audit):	01-Dec-2013

Incident Investigation

Incident Investigation Date (The date of the most recent incident investigation (if any)):	27-Apr-2013
Incident Investigation Change Date (The expected or actual date of completion of all changes resulting from the investigation):	09-Nov-2013

Employee Participation Plans

Participation Plan Revision Date (The date of the most recent review or revision of employee participation plans):	22-Jun-2013

Hot Work Permit Procedures

Hot Work permit Review Date (The date of the most recent review or revision of hot work permit procedures):	22-Jun-2013

Contractor Safety Procedures

Contractor Safety Procedures Review Date (The date of the most recent review or revision of contractor safety procedures):	22-Jun-2013
Contractor Safety Performance Evaluation Date (The date of the most recent review or revision of contractor safety performance):	05-Jul-2013

Confidential Business Information

CBI Claimed:

Section 8. Program Level 2

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?):	Yes
Facility Plan (Does facility have its own written emergency response plan?):	
Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?):	
Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?):	
Healthcare (Does facility's ER plan include information on emergency health care?):	

Emergency Response Review

Review Date (Date of most recent review or update of facility's ER plan):	

Emergency Response Training

Training Date (Date of most recent review or update of facility's employees):	

Local Agency

Agency Name (Name of local agency with which the facility ER plan or response activities are coordinated):	Avondale Fire Department
Agency Phone Number (Phone number of local agency with which the facility ER plan or response activities are coordinated):	(623) 478-3170

Subject to

OSHA Regulations at 29 CFR 1910.38:	Yes
OSHA Regulations at 29 CFR 1910.120:	
Clean Water Regulations at 40 CFR 112:	
RCRA Regulations at CFR 264, 265, and 279.52:	
OPA 90 Regulations at 40 CFR 112, 33 CFR 154, 49 CFR 194, or 30 CFR 254:	
State EPCRA Rules or Laws:	Yes
Other (Specify):	

Executive Summary

EXECUTIVE SUMMARY

- Accidental Release Prevention and Emergency Response Policies

Tolleson Dairy is strongly committed to employee, public, and environmental safety. This commitment is inherent to our comprehensive accidental release prevention program that covers areas such as design, installation, operating procedures, maintenance, and employee training associated with our regulated process. It is our policy to implement appropriate controls to prevent possible accidental releases of regulated substances. However, if such an accidental release does occur, we are coordinated with the local Avondale Fire Department and the Maricopa County Local Emergency Planning Committee for emergency response support.

- The Stationary Source and the Regulated Substances Handled

Presently Anhydrous Ammonia is the only RMP regulated substance present at this facility above a threshold quantity. Ammonia is utilized as the primary cooling media in our closed-loop refrigeration system. The system¿s purpose is to provide refrigeration and cold storage capabilities for Tolleson Dairy processing operations. Due to the size and characteristics of our ammonia refrigeration system, as well as Process Safety Management (PSM) applicability, Tolleson Dairy is covered under Program 3 of the RMP regulations.

- Offsite Consequence Analysis

The Worst Case Release Scenario(s) and the Alternative Release Scenario(s), including administrative controls and mitigation measures to limit the distances for each reported scenario have been completed as stated in Section 2 and 3 of the RMP Submit text.

To evaluate both the worst case and alternative release scenarios, EPA's RMP Comp Hazardous Release software was utilized exclusively. The RMP Comp models are referenced in the RMP Offsite Consequence Analysis Guidance as an acceptable model for the release scenario mathematical approximation process.

As specified in the RMP Guidance, the worst case and alternate case release scenarios have been calculated and the results of the calculations are documented in the Tolleson Dairy RMP Plan on file with the Plant Engineer at the Tolleson facility. Public and environmental receptors that could possibly be affected by the release scenarios were determined through the use of LANDVIEW VI mapping system software and US Census Bureau 2000 data.

- The General Accidental Release Prevention Program and the Chemical-Specific Prevention Steps

Tolleson Dairy has taken all necessary steps to comply with the accidental release prevention requirements set forth in 40 CFR Part 68. To meet these necessary requirements Tolleson Dairy has implemented their Process Safety Management program through the written guidelines stated in the OSHA PSM Standard, 29 CFR 1910.119.

- Accident History

There have been no ammonia related incidents at the Tolleson Dairy facility within the last five years that have resulted in on, or off site property damage, injuries or deaths.

- Emergency Action Plan

Tolleson Dairy current Emergency Action Plan focuses on evacuation of the facility in the event of an ammonia emergency, with the assistance from local emergency response agencies performing rescue, firefighting, first-aid, medical treatment, and other response

functions. The facility maintains a written Emergency Action Plan to document specific procedures to be implemented in the event of various emergencies, including ammonia release. The plan includes procedures for facility evacuation, as well as for notification to the local emergency response agencies, which are responsible for notifying the public. The plan is promptly updated to reflect any pertinent changes taking place within the facility that would require modified procedures.

- Planned Changes to Improve Safety:

Tolleson Dairy currently has no changes planned for the ammonia refrigeration process at this time. However, the process will be subjected to periodic process hazard analysis reviews for the purpose of identifying potential hazards and implementing the necessary improvement to provide a safer system. Tolleson Dairy personnel will also periodically review all potential opportunities to improve the safety of our personnel, the surrounding community, and the ammonia refrigeration process.